DuraGrip® DGR 6250CL

Thermoplastic Elastomer

Advanced Polymer Alloys

Message:

DuraGrip® 6250CL is a Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. DuraGrip® 6250CL has excellent clarity, soft-touch feel, a high coefficient of friction, and bonds well to polypropylene. DuraGrip® 6250CL is also FDA compliant pursuant to 21 C.F.R. 177.2600. DuraGrip® 6250CL is not hygroscopic and under normal conditions does not require drying.

General Information	
Features	High Friction Good adhesion Definition, high
Agency Ratings	EU 2002/96/EC (WEEE) FDA 21 CFR 177.2600
RoHS Compliance	RoHS compliance
Appearance	Clear/transparent
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.883	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	31	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec)	50		ASTM D2240, ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412, ISO 37
100% strain	1.54	MPa	ASTM D412, ISO 37
300% strain	2.27	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	6.85	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	800	%	ASTM D412, ISO 37
Tear Strength [1]	23.6	kN/m	ASTM D624
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Melt Viscosity (190°C, 200 sec^-1)	136	Pa·s	ASTM D3835

Additional Information
The value listed as Density -Specific Gravity, ASTM D792, was tested in accordance with ASTM D471.The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.

NOTE

1.	C mould

Recommended distributors for this material

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